

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claim 1 (currently amended): A toroidal-type continuously variable transmission, comprising:

an input shaft;
an input disk and an output disk, which are supported mutually concentrically with said input shaft and mutually independently rotatably;

a power roller sandwiched between said input disk and said output disk;
a power roller bearing for rotatably supporting said power roller;
a seal member provided on an outer peripheral surface of the power roller bearing;
an oil passage for leading lubricating oil to said power roller bearing;~~and~~
a foreign substance trapping member provided in the oil passage;~~;~~ and
at least one pair of trunnions each having a pivot shaft disposed at a position
perpendicular to axes of said input disk and said output disk and each adapted to tiltedly rotate
around said pivot shaft,

wherein the trapping member comprises at least one of a mesh filter and a magnet member provided in said oil passage,

wherein each of the trunnions has a shaft at a bottom thereof, and the trapping member is
disposed in the shaft provided at the bottom of each of the trunnions.

Claim 2 (original): The toroidal-type continuously variable transmission according to claim 1, further comprising:

a seal member provided on an outer peripheral surface of said power roller bearing.

Claim 3 (original): The toroidal-type continuously variable transmission according to claim 1,

wherein said power roller bearing has an inner ring and an outer ring, and wherein said trapping member is disposed between said inner ring and said outer ring.

Claim 4 (currently amended): A toroidal-type continuously variable transmission, in which lubricating oil is supplied from an oil pump having a line filter, comprising:

an input shaft;

an input disk and an output disk, which are supported mutually concentrically with said input shaft and mutually independently rotatably;

at least one pair of trunnions each having a pivot shaft disposed at a position perpendicular to directions of center axes of said input disk and said output disk and each adapted to tiltedly rotate around said pivot shaft;

a power roller sandwiched between said input disk and said output disk;

a power roller bearing for rotatably supporting said power roller;

a seal member provided on an outer peripheral surface of the power roller bearing;

a lubricating oil passage for supplying lubricating oil from said line filter to said power roller bearing; and

a foreign substance trapping member provided in the oil passage, wherein the trapping member comprises at least one of a mesh filter and a magnet member provided in said oil passage,

wherein each of the trunnions has a shaft at a bottom thereof, and the trapping member is disposed in the shaft provided at the bottom of each of the trunnions.

Claim 5 (original): The toroidal-type continuously variable transmission according to claim 4, further comprising:

a seal member provided on an outer peripheral surface of said power roller bearing.

Claim 6 (original): The toroidal-type continuously variable transmission according to claim 4, wherein each of said trunnions has a shaft at a bottom thereof, and wherein said trapping member is disposed in said shaft provided at the bottom of each of said trunnions.

Claim 7 (original): The toroidal-type continuously variable transmission according to claim 4, further comprising:

a displacement shaft projecting from an inner surface of each of said trunnions, wherein said oil passage include an oil hole provided in the displacement shaft, and

wherein said power roller bearing has an inner ring and an outer ring, said outer ring and said displacement shaft are integrally provided, and said trapping member is disposed in the oil hole of each of said displacement shafts.

Claim 8 (original): The toroidal-type continuously variable transmission according to claim 7, comprising:

a thrust bearing disposed between said outer ring of said power roller bearing and each of said trunnions; and

a seal member, provided on an outer peripheral portion of said thrust bearing.

Claim 9 (original): The toroidal-type continuously variable transmission according to claim 4, further comprising:

a valve body including an upper valve body and a lower valve body, provided under said input disk and said output disk, wherein an oil passage for supplying lubricating oil to said power roller bearing is provided in said lower valve body, and wherein the trapping member is provided in said oil passage of said lower valve body.

Claim 10 (original): The toroidal-type continuously variable transmission according to claim 4, wherein each of said trunnions has a drive rod provided at a bottom thereof, wherein an oil passage for supplying lubricating oil to said power roller bearing is provided in each of said drive rods, and wherein the trapping member is provided in said oil passage of each of said drive rods.

Claim 11 (original): The toroidal-type continuously variable transmission according to claim 4, wherein each of said trunnions has an oil passage for supplying lubricating oil to said power roller bearing, and wherein a foreign substance trap member is provided in said oil passage of each of said trunnions, wherein said trap member comprises at least one of a mesh filter and a magnetic member.

Claim 12 (original): The toroidal-type continuously variable transmission according to claim 4, further comprising:

a displacement shaft projecting from an inner surface of each of said trunnions, wherein the oil passage includes a cavity portion provided in said displacement shaft, and

wherein a foreign substance trap member is provided in said cavity portion of said displacement shaft, and wherein said trap member comprises at least one of a mesh filter and a magnetic member.

Claim 13 (currently amended): A toroidal-type continuously variable transmission, comprising:

an input shaft;

an input disk and an output disk, which are supported mutually concentrically with said input shaft and mutually independently rotatably;

a power roller sandwiched between said input disk and said output disk;

a power roller bearing for rotatably supporting said power roller;

a seal member provided on an outer peripheral surface of the power roller bearing;

an oil passage means for leading lubricating oil to said power roller bearing; and

a trapping means for trapping a foreign substance in the oil passage means; and

at least one pair of trunnions each having a pivot shaft disposed at a position perpendicular to axes of said input disk and said output disk and each adapted to tiltedly rotate around said pivot shaft,

wherein each of the trunnions has a shaft at a bottom thereof, and the trapping member is disposed in the shaft provided at the bottom of each of the trunnions.

Claim 14 (original): The toroidal-type continuously variable transmission according to claim 13, wherein the trapping means comprises at least one of a mesh filter and a magnet member.

Claim 15 (currently amended): A toroidal-type continuously variable transmission, in which lubricating oil is supplied from an oil pump having a line filter, comprising:

an input shaft;

an input disk and an output disk, which are supported mutually concentrically with said input shaft and mutually independently rotatably;

at least one pair of trunnions each having a pivot shaft disposed at a position perpendicular to directions of center axes of said input disk and said output disk and each adapted to tiltedly rotate around said pivot shaft;

a power roller sandwiched between said input disk and said output disk;

a power roller bearing for rotatably supporting said power roller;

a seal member provided on an outer peripheral surface of the power roller bearing;

a lubricating oil supplying means for supplying lubricating oil from said line filter to said power roller bearing; and

a trapping means provided in the oil supplying means for trapping a foreign substance
wherein each of the trunnions has a shaft at a bottom thereof, and the trapping member is disposed in the shaft provided at the bottom of each of the trunnions.

Claim 16 (original): The toroidal-type continuously variable transmission according to claim 15, wherein the trapping means comprises at least one of a mesh filter and a magnet member.